

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. L-F/168		SERIAL NO. 08/753,288	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)				APPLICANT Battiato et al.			
				FILING DATE November 22, 1996		GROUP Unknown	

OFFICE  
 JUN 25 1998  
 PATENT & TRADEMARK OFFICE

(37 CFR 1.98(b))

U.S. PATENT DOCUMENTS													
EXAMINER INITIAL	A.A.	3	7	3	1	6	7	9	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
ST	A.A.	3	7	3	1	6	7	9	5/8/73	Wilhelmson et al.	128	214F	10/70
	A.B.												
	A.C.												
	A.D.												
	A.E.												
	A.F.												
	A.G.												
	A.H.												
	A.I.												
	A.J.												
	A.K.												

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
ST	A.L.	WO 96/20746	11.07.96	PCT			No
ST	A.M.	0 181 691	21.05.86	European			Yes
ST	A.N.	0 346 950	20.12.89	European			Yes
	A.O.						
	A.P.						
	A.Q.						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)		
ST	A.R.	Beach et al., <u>A bubble detector for automatic analgesic drug injectors.</u> , 8056 Journal of Phys. E-Scientific Instructions, Vol. 13 (1980) Oct., N°10, London, Great Britain
	A.S.	
	A.T.	

EXAMINER <i>Sharon E. Inkel</i>	DATE CONSIDERED <i>August 12, 1998</i>
------------------------------------	---

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
L-F/168SERIAL NO.  
08/753,288INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)

(37 CFR 1.98(b))

APPLICANT  
Battiato et al.FILING DATE  
November 22, 1996GROUP  
Unknown

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>JS</i>	A.A	3 7 0 1 3 4 5	10/72	Heilman et al.	128	2 R	9/70
	A.B	3 7 5 2 1 4 5	8/73	Runnels et al.	128	2 R	11/71
	A.C	3 8 1 2 4 8 2	5/74	Clark	340	237 R	2/73
	A.D	3 8 8 8 2 3 9	6/75	Rubinstein	128	2 A	6/74
	A.E	3 9 3 5 8 7 6	2/76	Massie et al.	137	177	11/74
	A.F	3 9 8 9 6 2 5	11/76	Mason	210	94	2/75
	A.G	4 0 0 6 7 3 6	2/77	Kranys et al.	128	2 A	11/74
	A.H	4 1 1 4 1 4 4	9/78	Hyman	340	632	8/76
	A.I	4 2 1 0 1 3 8	7/80	Jess et al.	128	214 E	12/77
	A.J	4 2 1 3 4 5 4	7/80	Shim	128	214	12/77
<i>JS</i>	A.K	4 2 4 4 3 6 5	1/81	McGill et al.	128	214 E	3/79

## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
<i>JS</i>	A.L	147737	11/62	Soviet Union	128	DIG 13	No
	A.M						
	A.N						
	A.O						
	A.P						
	A.Q						

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

<i>JS</i>	A.R	Medrad, Inc., <u>MEDRAD MARK V SYSTEM</u> , Medrad Sales Brochure, 8/88
	A.S	Medrad, Inc., <u>Medrad MCT Plus Front Load Injection System</u> , Medrad, Inc. Sales Brochure, No Date
<i>JS</i>	A.T	Liebel-Flarsheim, <u>ANGIOMAT 6000 Digital Injection System</u> , Liebel-Flarsheim Sales Brochure, 1987

EXAMINER

*Sharon E. Finkel*

DATE CONSIDERED

*August 12, 1998*EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
L-F/168SERIAL NO.  
08/753,288INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

(Use several sheets if necessary)

(37 CFR 1.98(b))

APPLICANT  
Battiato et al.FILING DATE  
November 22, 1996GROUP  
Unknown

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
83	B.A	4	2	5	6	4	3	7	3/81	Brown	417	45	2/78
	B.B	4	2	8	0	4	9	5	7/81	Lampert	128	214 E	11/78
	B.C	4	3	1	2	3	4	1	1/82	Zissimopoulos et al.	128	214 E	12/79
	B.D	4	3	6	7	7	3	6	1/83	Gupton	128	214 E	8/80
	B.E	4	4	5	2	2	5	1	6/84	Heilman	128	655	11/82
	B.F	4	4	9	6	3	4	6	1/85	Mosteller	604	123	8/83
	B.G	4	5	0	8	5	3	2	4/85	Drews et al.	604	22	9/83
	B.H	4	5	5	9	4	5	4	12/85	Kramer	250	577	4/83
	B.I	4	5	6	5	5	0	0	1/86	Jeensalute et al.	417	53	2/83
	B.J	4	6	5	0	4	6	2	3/87	Langer et al.	604	65	11/84
83	B.K	4	6	5	8	2	4	4	4/87	Meijer	340	632	3/85

## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	B.L						
	B.M						
	B.N						
	B.O						
	B.P						
	B.Q						

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

83	B.R	Siemens Aktiengesellschaft, <u>SIMTRAC C</u> , Siemens Aktiengesellschaft Sales Brochure, No Date
	B.S	Liebel-Flarsheim, <u>Angimat CT-Digital Injection System for Enhanced CT Scans</u> , Liebel-Flarsheim Sales Brochure, 1988
83	B.T	E-Z-EM, <u>Simple the Best Value in Low-Pressure CT Injection Systems. Percupump 1A</u> , Therapex, Division of E-Z-EM Canada, Inc., Sales Brochure, 1990

EXAMINER

*Sharon Finkel*

DATE CONSIDERED

*August 13, 1998*EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. L-F/168		SERIAL NO. 08/753,288	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)				APPLICANT Battiato et al.		FILING DATE November 22, 1996	
(37 CFR 1.98(b))				GROUP Unknown			

U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SJ	C.A	4	6	9	5	2	7	1	9/87	Goethel	604	49	2/86
	C.B	4	7	8	4	6	4	3	11/88	Siretchi et al.	604	122	5/87
	C.C	4	7	9	7	6	5	5	1/89	Orndal et al.	340	521	3/87
	C.D	4	8	1	2	7	2	4	3/89	Langer et al.	318	599	11/84
	C.E	4	8	2	9	4	8	8	5/89	Balding et al.	364	509	9/85
	C.F	4	8	5	0	8	0	7	7/89	Frantz	417	63	6/87
	C.G	4	8	5	4	3	2	4	8/89	Hirschman et al.	128	655	2/88
	C.H	4	8	8	4	0	6	5	11/89	Crouse et al.	340	632	6/88
	C.I	5	0	0	6	1	1	0	4/91	Garrison et al.	604	65	12/87
	C.J	5	0	6	2	8	2	8	11/91	Waltz	604	51	2/90
	SJ	C.K	5	2	0	6	5	2	2	4/93	Danby et al.	250	574

FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	C.L						
	C.M						
	C.N						
	C.O						
	C.P						
	C.Q						

OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)		
SJ	C.R	Abstract, <u>Soviet Union Patent No. 147737</u> , 11/62
	C.S	
	C.T	

EXAMINER <i>Sharon E. Finkel</i>	DATE CONSIDERED <i>Aug 13, 1998</i>
-------------------------------------	--

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.

SUBSTITUTE FORM PTO-1449  
(MODIFIED)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.  
L-F/168SERIAL NO.  
08/753,288INFORMATION DISCLOSURE  
STATEMENT BY APPLICANTAPPLICANT  
Battiato et al.

(Use several sheets if necessary)

FILING DATE  
November 22, 1996GROUP  
Unknown

(37 CFR 1.98(b))

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
SS	D.A	5	2	6	9	7	6	2	12/93	Armbruster et al.	604	155	4/92
1	D.B	5	2	7	9	5	6	9	1/94	Neer et al.	604	154	5/92
SS	D.C	5	3	2	2	5	1	1	6/94	Armbruster et al.	604	155	11/93
	D.D												
	D.E												
	D.F												
	D.G												
	D.H												
	D.I												
	D.J												
	D.K												

## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
	D.L						
	D.M						
	D.N						
	D.O						
	D.P						
	D.Q						

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

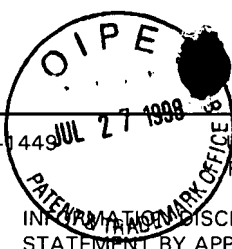
	D.R	
	D.S	
	D.T	

EXAMINER

*Sharon Finkel*

DATE CONSIDERED

*August 13, 1998*EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.



SUBSTITUTE FORM PTO-1449 (MODIFIED)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. L-F/168	SERIAL NO. 08/753,288
		APPLICANT Battiato et al.	
		FILING DATE November 22, 1996	GROUP 3734

(37 CFR 1.98(b))

(Use several sheets if necessary)

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
ST	A.A	3 8 8 0 1 3 8	4/29/75	Wootten et al.	128	2 A	1/74
	A.B						
	A.C						
	A.D						
	A.E						
	A.F						
	A.G						
	A.H						
	A.I						
	A.J						
	A.K						

## FOREIGN PATENTS OR PUBLISHED FOREIGN PATENT APPLICATIONS

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION (YES/NO)
ST	A.L	0 567 186	27 Oct. 93	European			Yes
ST	A.M	1.530.021	29 June 67	France			No
ST	A.N	WO 94/25089	28 April 94	PCT			Yes
ST	A.O	2.735.031	12 Dec 96	France			No
	A.P						
	A.Q						

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

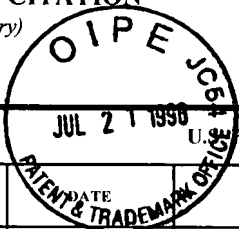
	A.R	
	A.S	
	A.T	

EXAMINER <i>Sharon Finkel</i>	DATE CONSIDERED <i>August 12, 1998</i>
----------------------------------	---

EXAMINER: Initial if citation considered, whether or not in conformance. Draw line through citation only if not in conformance and not considered. Include a copy of this form with next communication to applicant.

# INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)



Docket Number (Optional)

Application Number

08/753,288

Applicant(s)

BATTIATO et al.

Filing Date

11/22/1996

Group Art Unit

3734

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
US	AA	4,006,736	2/8/1977	KRANYS et al.			

## FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

Sharon E. Finkel

DATE CONSIDERED

August 12, 1998

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.